

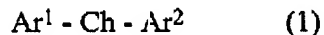
Atty Dkt No. 28955.4021  
Serial No.: 10/522,546

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IN THE CLAIMS:

1. (Currently Amended) An oligoarylene derivative represented by the following general formula (1) or (2):

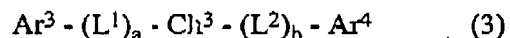


wherein Ch is a ~~group containing at least one~~ substituted or unsubstituted chrysene, a substituted or unsubstituted triphenylene, or a substituted or unsubstituted perylene condensed aromatic ring having 14 to 20 nuclear carbon atoms; and Ar<sup>1</sup> and Ar<sup>2</sup> are each respectively a substituted or unsubstituted aryl group having 5 to 30 nuclear atoms and may be the same or different from each other, and



wherein L is a connecting group and is a single bond, a substituted or unsubstituted methylene, a substituted or unsubstituted ethylene, a substituted or unsubstituted dimethylmethylene, a substituted or unsubstituted diphenylmethylene, a substituted or unsubstituted lactone ring, or a substituted or unsubstituted peptide; and Ch<sup>1</sup> and Ch<sup>2</sup> are each respectively a ~~group containing at least one~~ substituted or unsubstituted chrysene, a substituted or unsubstituted triphenylene, or a substituted or unsubstituted perylene condensed aromatic ring having 14 to 20 nuclear carbon atoms and may be the same or different from each other.

2. (Currently Amended) An oligoarylene derivative represented by the following general formula (3) or (4):



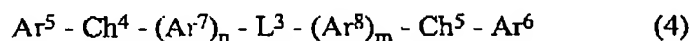
wherein Ch<sup>3</sup> is a substituted or unsubstituted chrysene, a substituted or unsubstituted

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triphenylene, or a substituted or unsubstituted perylene arylene group having 14 to 20 nuclear carbon atoms;

L<sup>1</sup> and L<sup>2</sup> are each respectively a connecting group and are each a single bond, a substituted or unsubstituted methylene, a substituted or unsubstituted ethylene, a substituted or unsubstituted dimethylmethylene, a substituted or unsubstituted diphenylmethylene, a substituted or unsubstituted lactone ring, or a substituted or unsubstituted peptide, and may be the same or different from each other; a and b are each respectively an integer of 0 to 1, with the proviso that a and b are not both 0; and

Ar<sup>3</sup> and Ar<sup>4</sup> are each respectively a substituted or unsubstituted aryl group having 5 to 30 nuclear atoms and may be the same or different from each other with the proviso that when Ch<sup>3</sup> is a substituted or unsubstituted pyrene residue, Ar<sup>3</sup> and/or Ar<sup>4</sup> are respectively a substituted or unsubstituted  $\beta$ -naphthyl derivative, and



wherein L<sup>3</sup> is a connecting group and is a single bond, a substituted or unsubstituted methylene, a substituted or unsubstituted ethylene, a substituted or unsubstituted dimethylmethylene, a substituted or unsubstituted diphenylmethylene, a substituted or unsubstituted lactone ring, or a substituted or unsubstituted peptide; Ch<sup>4</sup> and Ch<sup>5</sup> are each respectively a substituted or unsubstituted chrysene, a substituted or unsubstituted triphenylene, or a substituted or unsubstituted perylene arylene group having 14 to 20 nuclear atoms and may be the same or different from each other;

Ar<sup>5</sup> and Ar<sup>6</sup> are each respectively a substituted or unsubstituted aryl group having 5 to 30 nuclear atoms and may be the same or different from each other;

Ar<sup>7</sup> and Ar<sup>8</sup> are each respectively a substituted or unsubstituted arylene group having 5 to

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30 nuclear atoms and may be the same or different from each other; and n and m are each respectively an integer of 0 to 1.

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) The oligoarylene derivative according to claim 1, wherein the oligoarylene derivative is used as a luminescent material for organic electroluminescent devices.

6. (Previously Presented) The oligoarylene derivative according to claim 1, wherein the oligoarylene derivative is used as a hole transport material for organic electroluminescent devices.

7. (Previously Presented) An organic electroluminescent device comprising a cathode, an anode and an organic thin film layer sandwiched between the cathode and the anode which is constituted of a single layer or a plurality of layers including at least one luminescent layer, wherein at least one layer of the organic thin film layer contains the oligoarylene derivative as claimed in claim 1 as a single component or a component of a mixture.

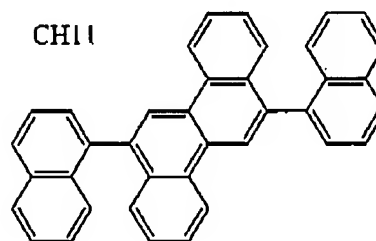
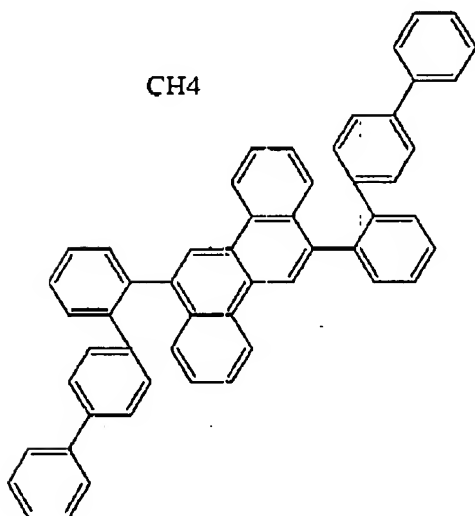
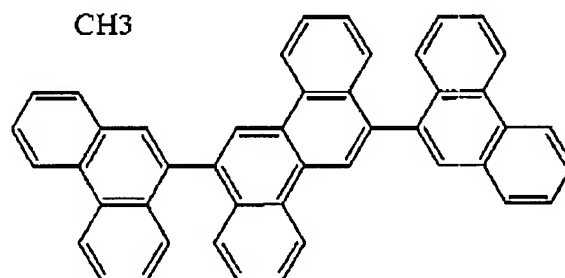
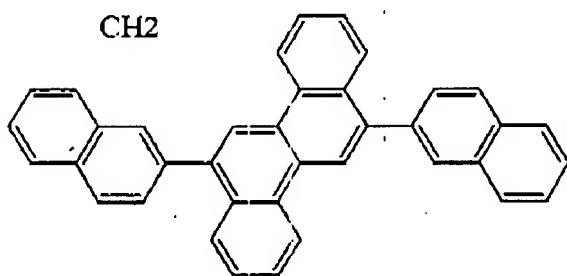
8. (Previously Presented) The organic electroluminescent device according to claim 7, wherein the luminescent layer contains the oligoarylene derivative.

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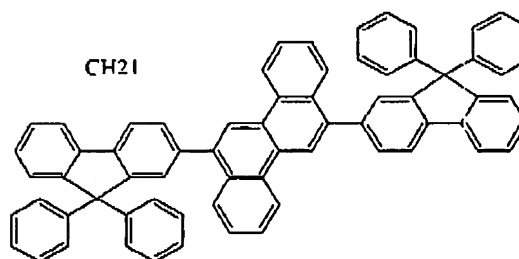
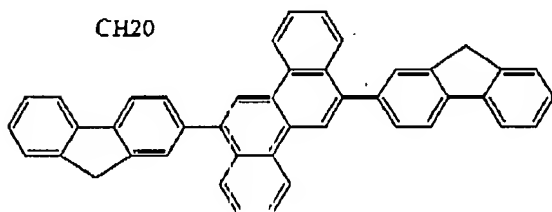
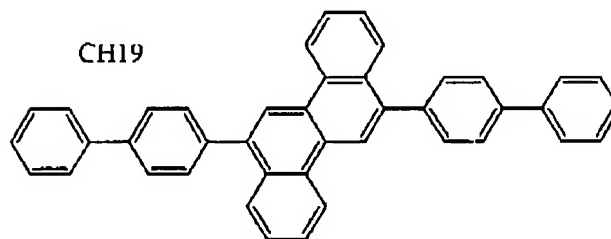
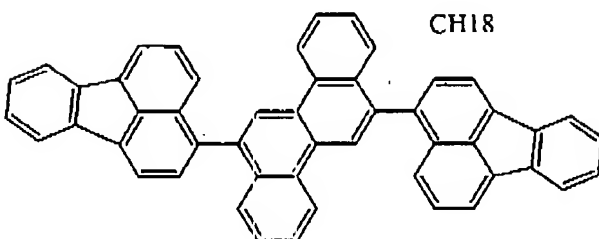
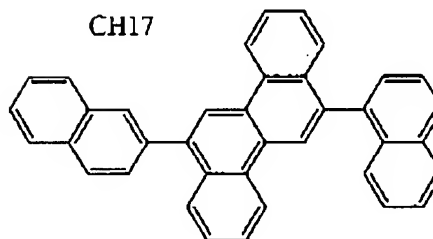
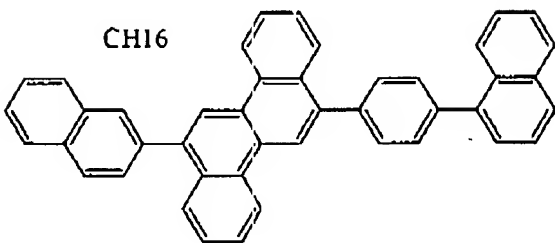
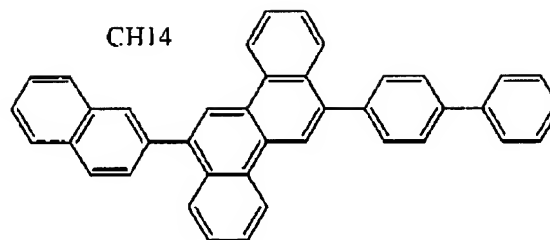
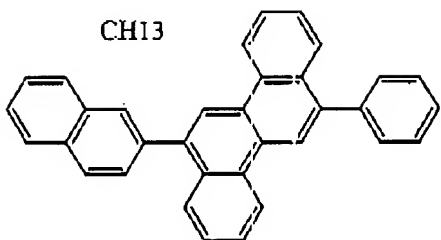
9. (Currently Amended) The organic electroluminescent device according to claim 7, wherein the luminescent layer mainly contains the oligoarylene derivative as a main component.
10. (Original) The organic electroluminescent device according to claim 7, wherein the luminescent layer further contains an arylamine compound.
11. (Original) The organic electroluminescent device according to claim 7, wherein the luminescent layer further contains an styrylamine compound.
12. (Previously Presented) The organic electroluminescent device according to claim 7, wherein the organic thin film layer has a hole transport layer containing the oligoarylene derivative as a single component or a component of a mixture.
13. (Currently Amended) The organic electroluminescent device according to claim 12, wherein the hole transport layer mainly contains the oligoarylene derivative as a main component.
14. (Original) The organic electroluminescent device according to claim 7, wherein the organic electroluminescent device emits a blue light.
15. (New) The oligoarylene derivative according to claim 1, wherein the oligoarylene

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derivative is selected from the group consisting of CH2, CH3, CH4, CH11, CH13, CH14, CH16, CH17, CH18, CH19, CH20, CH21, CH22, CH23, and CH24; wherein CH2, CH3, CH4, CH11, CH13, CH14, CH16, CH17, CH18, CH19, CH20, CH21, CH22, CH23, and CH24 are:



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